

FIG. 1

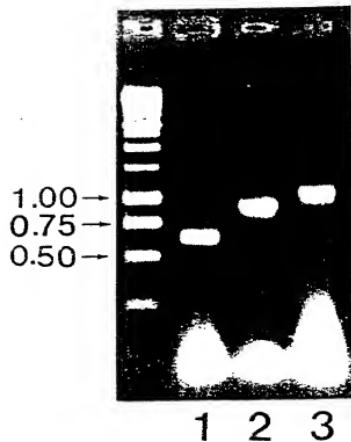


FIG. 2

JCCCTCACCCGATAGCTGACGCCAACCCTGCTAGAGGAAATACCGAAGCTAACAAAGCTCTCGGAAACAGAGAACCCAGAGCTGGGACCCGACCC  
 L O Q R I V K L O P L S E K E L P M T T O W M S S G N T E S P E M R R O S  
 GAGCAGGAGGAATGGGAACTCCGGGCACTCTGGGAAACAGATGGGAAATACGGGAACTACGGGAACTACGCTTGGACTGGCCAGGATC  
 E O H G N G E L L R G M F T T I N S I G R L G N Q M G E Y A T I L F A L A R M  
 AACGGACCCGTCCCTICAACCCCACTAACCCCACTGGCCCACTCTGGGAACTACGGGAACTACGCTTGGACTGGCCAGGATC  
 N G R L A F I P A S M H N A L A P I F R I S L P V L H S D T A K K I P W  
 CACAACTACCACTCAGGAGGACATGGGAACTTACGGGAACTTACGGGAACTTACGGGAACTTACGGGAACTTACGGGAACTTACGGGAACT  
 Q N Y H L N D W M E E R Y R H I P G H F V R F T G Y P C S W T F Y H H L  
 CGGCCAGAGATCTGAGGAGGACATACCCGAGGACCTGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG  
 R P E I L K E F T I L H D H V R E E A Q A F L R G L R V N G S Q P S T F V  
 G V H V R R G D Y V H V M P N V W K G V V A D R G Y L E K A L D M F R A  
 CGGTCCTCACTGGCCGGAGGAGGACATGGGAACTGGGAACTGGGAACTGGGAACTGGGAACTGGGAACTGGGAACTGGGAACTGGGAACT  
 R Y S S P V F V V T S N G M A W C R E N I N A S R C D Y V F A G N G I E  
 CGGTCCTCACCAAGGACTCTGGCTGCCATGGGAACTGGGAACTGGGAACTGGGAACTGGGAACTGGGAACTGGGAACTGGGAACTGGGAACT  
 C S P A K D F A L L I Q C N H T I M T I G T F C I W A A Y L A G C D I I  
 TACTAGGAACTACACCTCTGGGATCTCCCTCTCAACACTCTGGGAACTGGGAACTGGGAACTGGGAACTGGGAACTGGGAACTGGGAACT  
 Y L A N Y T I L P D S P F L K V F K P E A A F L P E W V C I P A D L S P L  
 CTTAACGGATTAACACCCGATGGCTGGCTGCCATGGGAACTGGGAACTGGGAACTGGGAACTGGGAACTGGGAACTGGGAACTGGGAACT  
 L K A L T P A C P R S H F H L K A K G V T C Y V A G R A F

FIG.3A

Rat H35 cell FucT	LLQITIVKLQPLSERKPLMTQWSSCNESEPMRROSECHNGEL	44
Human Sec2	MLVQWQPFSEPHANITLIVFTWVSTIFINIQQLAKIOMMELPVQIPVPLASTSKALGFCSQL	60
Rat H35 cell FucT	RCMFATINSIGRLGNQGEYATLALARMGRLAFIPASMINALAPIFRISLSPVLSQTAK	104
Human Sec2	RCMWTIAAGRLGNQGEYATIYALAKMGRPAFIQAMWISLAPFRITLPVHSATAS	120
Rat H35 cell FucT	KIPIMONYHNDMWEERYRHP-GHIVRFICPYSWTFYHHLRPEILKEFTLHDHREAQ	163
Human Sec2	RIPIMONYHNDMWEERYRHP-GHIVRFICPYSWTFYHHLRPEILGFTLHDHREAQ	180
Rat H35 cell FucT	AFLRCLRWMSQSPSITFGVHHRRCGYVHMPNMLGVADRCYCLEKALDMFRARYSSSPVF	223
Human Sec2	KFLRQDOWNSRSPCITFGVHHRRCGYVHMPNMLGVADRCYQLQALDMFRARYSSLIF	240
Rat H35 cell FucT	WTSGNAGCREINASRDWFAGCICGSPAKDFALLTCQNTHTIMITGFGIWAAYLA	283
Human Sec2	WTSGNAGCREINASRDWFAGCICGSPAKDFALLTCQNTHTIMITGFGIWAAYLA	300
Rat H35 cell FucT	GGDTIYLANTLIPSEPLKVKPKPAAFLPEWICIPADLSPLKALIPACPRSHFLKAKG	343
Human Sec2	GGDTIYLANTLIPSEPLKVKPKPAAFLPEWICIPADLSPLKALIPACPRSHFLKAKG	360
Rat H35 cell FucT	VICYYAGRAF	

FIG.3B

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1 2 3 4

FIG. 4

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FIG. 5

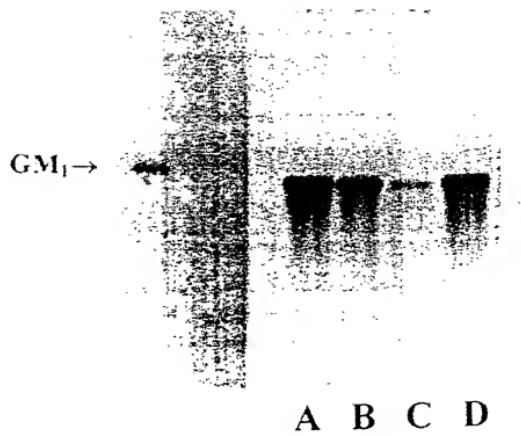


FIG. 6

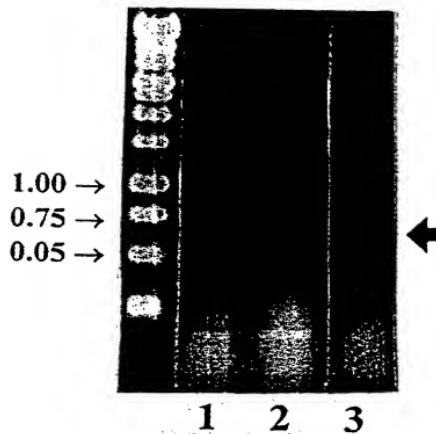


FIG. 7

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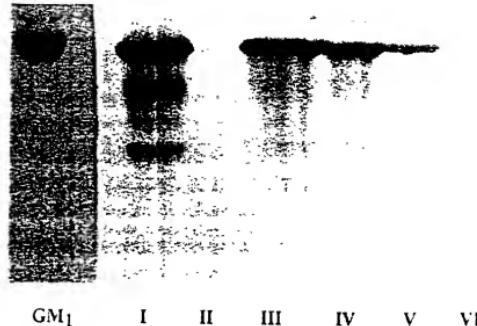


FIG. 8A

	<u>cpm - background</u>	<u>% initial activity</u>
I	19,832	100
II	0	0
III	6,726	34
IV	4,917	25
V	1,043	5.3
VI	104	0.52

FIG. 8B

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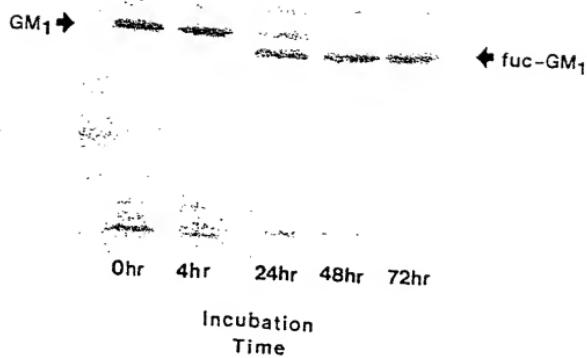


FIG. 9